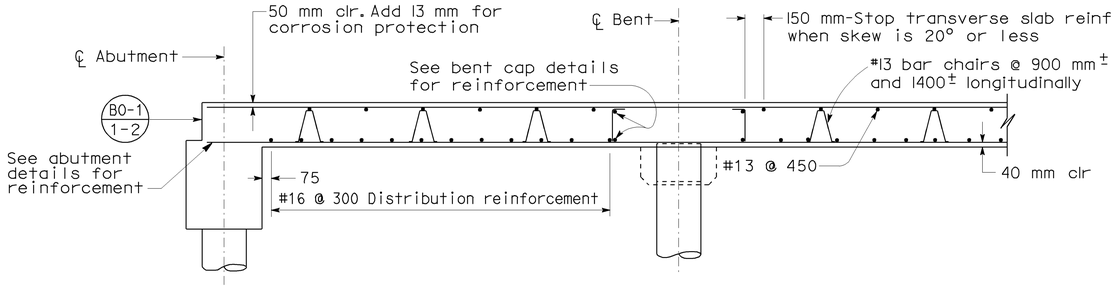
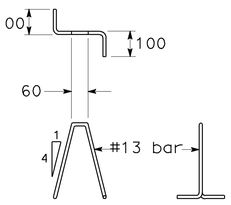
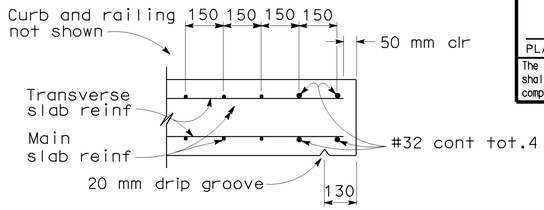


LONGITUDINAL SECTION



BAR CHAIR DETAIL

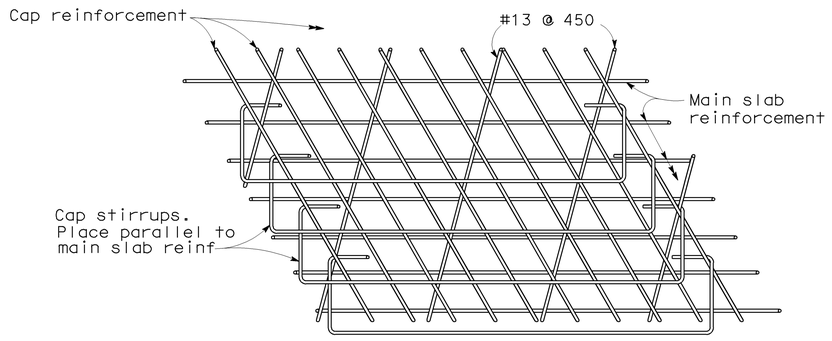


EDGE OF SLAB DETAILS

BAR SPLICE LENGTH								
Bar size	#13	#16	#19	#22	#25	#29	#32	#36
All bars, except top bars in spans over 7 m	580	710	860	990	1140	1730	1930	2160
Top bars in spans over 7 m	580	710	860	1350	1520	1960	2460	3050

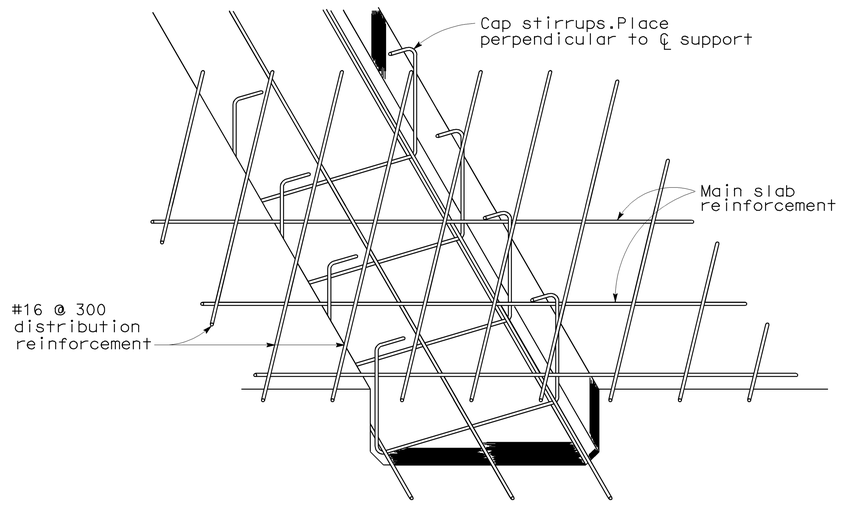
REINFORCEMENT NOTES:

Splices in top main bars to be located near center of span.
Splices in bottom main bars to be located near bent.
Spacing of all transverse bars is measured along ℄ roadway.
Skew 0°to 20°: Place all transverse bars parallel to bent.
Skew over 20°: Place transverse slab bars perpendicular to ℄ bridge.See details at right and below.

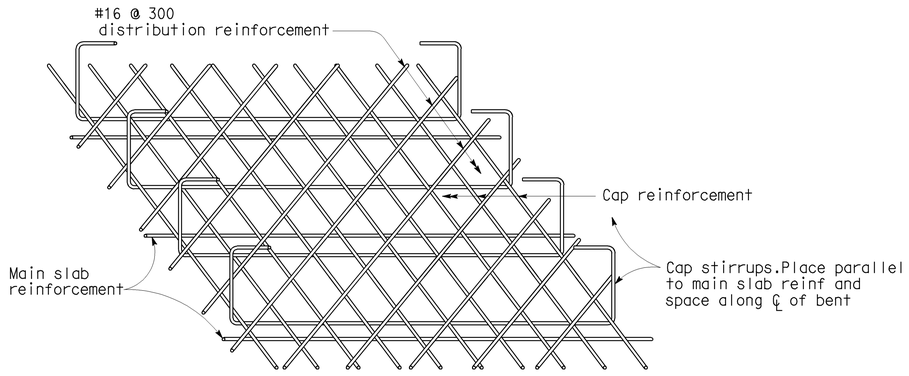


TOP SLAB REINFORCEMENT AT BENT

Note: View for main span over 7 m.
Bar placement similar for spans under 7 m.



DROPPED CAP



FLUSH CAP

BOTTOM SLAB REINFORCEMENT AT BENT

GENERAL NOTES
LOAD FACTOR DESIGN

Design: Bridge Design Specifications (1983 AASHTO with Interims and revisions by CALTRANS)

Dead load: Includes 1680 Pa for future wearing surface.

Live loading: HS20-44 and alternative and permit design load.

Reinforced concrete: fy = 420 MPa
f'c = 22 Mpa
n = 9

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

Caltrans Metric

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED ENGINEER - CIVIL

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

STANDARD DRAWING				
RELEASE DATE 8/26/97	DESIGN	BY L.Y. LEE	CHECKED T. FARNAN	RELEASED BY
FILE NO. xs1-220	DETAILS	BY R.YEE	CHECKED T. FARNAN	OFFICE CHIEF
	SUBMITTED	BY R.S. WATANABE	DRAWING DATE 8/88	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.

KILOMETER POST

SLAB REINFORCEMENT DETAILS

DS OSD 2147A (METRIC) (REV. 2/25/97)

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU
EA

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET OF

USERNAME => jsanchez

xs1-220.dgn

DATE PLOTTED => 16-JAN-2004 TIME PLOTTED => 14:36